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NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: January 29, 1990
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1989 machine tool shipments up 33%

Machine tool shipments for 1989 topped out at $3,200.70 million, 33% above 1988's total, according to figures released today by NMTBA – The Association For Manufacturing Technology. Metal cutting machine shipments reached $2,359.10 million, up 50% for the year, and metal forming shipments reached $841.60 million, up 2%.

Net new machine tool orders for the year totaled $2,811.40 million, down 22% compared to 1988. Metal cutting orders were $1,976.60 million, a 27% drop for the year, while metal forming orders totaled $834.80 million, down 5.5%.

The machine tool order backlog for December 1989 was $1,801.95 million, down from November's $1,976.65 million. The December 1988 backlog was $2,191.25 million.

Albert W. Moore, NMTBA president, said, "We are pleased with the rise in shipments in 1989. Exports, in particular, rose 47%, with foreign metal cutting shipments up 72%. It's good to see exports rising — but we still have a long, long way to go. More exports are absolutely essential if U.S. manufacturers are to regain the strength they've lost in recent years."

"American business must lead the way," he continued. "Business and government must work together to develop a national industrial strategy that helps American companies compete overseas. Every other industrialized nation has an aggressive policy to help its manufacturers in the fiercely competitive world market. U.S. manufacturers must become much more aggressive as exporters; and the U.S. government must help, not hinder, in this crucial effort."

(more)

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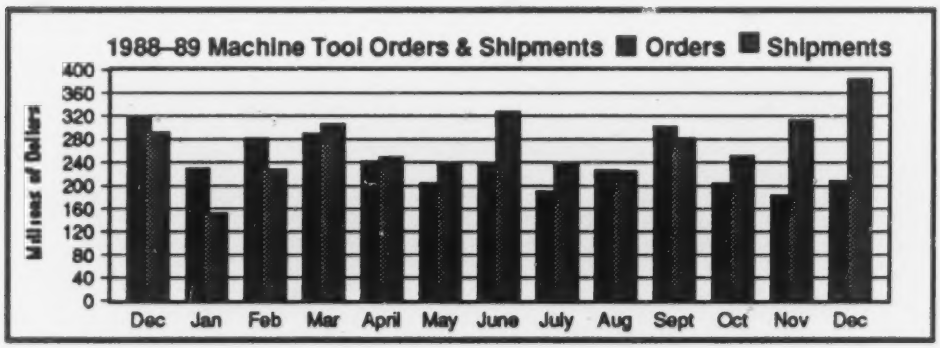
December 1989 new machine tool orders totaled $209.75 million, up 14% from November's $184.40 million. Comparing December 1989 to December 1988, total orders were down 34%.

December metal cutting orders totaled $158.80 million, up 23% for the month. Metal forming orders were $50.95 million, down 8% compared to November. Comparing December 1989 to December 1988, metal cutting orders were down 36% and metal forming orders were down 27%.

Total machine tool shipments for December stood at $384.45 million, up 23% from November's $313.70 million. At $313.25 million, December metal cutting shipments were up 37% compared to November. December metal forming shipments dropped to $71.20 million, down 16% compared to the previous month. Compared to December 1988, December 1989 total shipments were up 31%, with metal cutting up 50% and metal forming down 14%.



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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1989	135.45	23.35	158.80	43.90	7.05	50.95	179.35	30.40	209.75
NOV 1989	108.15	20.75	128.90	40.05	15.45	55.50	148.20	36.20	184.40
% CHANGE									
DEC 1989:NOV 1989	+25.2	+12.5	+23.2	+9.6	-54.4	-8.2	+21.0	-16.0	+13.7
DEC 1988	191.50	54.90	246.40	60.20	9.85	70.05	251.70	64.75	316.45
% CHANGE									
DEC 1989:DEC 1988	-29.3	-57.5	-35.6	-27.1	-28.4	-27.3	-28.7	-53.1	-33.7
YEAR TO DATE 1989	1,723.05	253.55	1,976.60	720.75	114.05	834.80	2,443.80	367.60	2,811.40
YEAR TO DATE 1988	2,315.75	392.15	2,707.90	749.35	133.60	882.95	3,065.10	525.75	3,590.85
% CHANGE									
1989 : 1988	-25.6	-35.3	-27.0	-3.8	-14.6	-5.5	-20.3	-30.1	-21.7

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1989	260.80	52.45	313.25	60.10	11.10	71.20	320.90	63.55	384.45
NOV 1989	201.10	27.50	228.60	64.15	20.95	85.10	265.25	48.45	313.70
% CHANGE									
DEC 1989:NOV 1989	+29.7	+90.7	+37.0	-6.3	-47.0	-16.3	+21.0	+31.2	+22.6
DEC 1988	186.40	22.95	209.35	64.30	18.90	83.20	250.70	41.85	292.55
% CHANGE									
DEC 1989:DEC 1988	+39.9	+128.5	+49.6	-6.5	-41.3	-14.4	+28.0	+51.9	+31.4
YEAR TO DATE 1989	2,059.60	299.50	2,359.10	706.40	135.20	841.60	2,766.00	434.70	3,200.70
YEAR TO DATE 1988	1,400.10	174.45	1,574.55	702.20	122.35	824.55	2,102.30	296.80	2,399.10
% CHANGE									
1989 : 1988	+47.1	+71.7	+49.8	+0.6	+10.5	+2.1	+31.6	+46.5	+33.4

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1988	$3,065.10	$525.75	$3,590.85	$2,191.25	$2,102.30	$296.80	$2,399.10
1989							
JAN	$ 202.00	$ 28.85	$ 230.85	$2,269.90	$ 131.70	$ 20.50	$ 152.20
FEB	$ 248.35	$ 33.60	$ 281.95	$2,323.05	$ 200.30	$ 28.50	$ 228.80
MAR	$ 258.40	$ 32.10	$ 290.50	$2,306.90	$ 274.25	$ 32.40	$ 306.65
APR	$ 214.90	$ 27.65	$ 242.55	$2,299.90	$ 227.15	$ 22.40	$ 249.55
MAY	$ 187.95	$ 17.30	$ 205.25	$2,264.40	$ 219.50	$ 21.25	$ 240.75
JUN	$ 195.90	$ 44.80	$ 240.70	$2,177.55	$ 270.05	$ 57.50	$ 327.55
JUL	$ 155.35	$ 35.40	$ 190.75	$2,130.60	$ 206.00	$ 31.70	$ 237.70
AUG	$ 191.15	$ 35.95	$ 227.10	$2,131.90	$ 196.95	$ 28.85	$ 225.80
SEP	$ 279.50	$ 23.10	$ 302.60	$2,152.50	$ 233.20	$ 48.80	$ 282.00
OCT	$ 182.75	$ 22.25	$ 205.00	$2,105.95	$ 220.75	$ 30.80	$ 251.55
NOV	$ 148.20	$ 36.20	$ 184.40	$1,976.65	$ 265.25	$ 48.45	$ 313.70
DEC (P)	$ 179.35	$ 30.40	$ 209.75	$1,801.95	$ 320.90	$ 63.55	$ 384.45
12 MONTHS	$2,443.80	$367.60	$2,811.40		$2,766.00	$434.70	$3,200.70

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1988	$3,180.25	$541.75	$3,722.00	$ 115.15	$ 16.00	$ 131.15
1989						
JAN	$ 211.70	$ 30.05	$ 241.75	$ 9.70	$ 1.20	$ 10.90
FEB	$ 259.90	$ 34.40	$ 294.30	$ 11.55	$ .80	$ 12.35
MAR	$ 273.15	$ 33.20	$ 306.35	$ 14.75	$ 1.10	$ 15.85
APR	$ 222.00	$ 28.70	$ 250.70	$ 7.10	$ 1.05	$ 8.15
MAY	$ 199.50	$ 22.20	$ 221.70	$ 11.55	$ 4.90	$ 16.45
JUN	$ 216.90	$ 46.90	$ 263.80	$ 21.00	$ 2.10	$ 23.10
JUL	$ 175.25	$ 36.85	$ 212.10	$ 19.90	$ 1.45	$ 21.35
AUG	$ 198.80	$ 43.95	$ 242.75	$ 7.65	$ 8.00	$ 15.65
SEP	$ 290.10	$ 27.25	$ 317.35	$ 10.60	$ 4.15	$ 14.75
OCT	$ 192.10	$ 25.15	$ 217.25	$ 9.35	$ 2.90	$ 12.25
NOV	$ 156.95	$ 42.40	$ 199.35	$ 8.75	$ 6.20	$ 14.95
DEC (P)	$ 187.25	$ 35.75	$ 223.00	$ 7.90	$ 5.35	$ 13.25
12 MONTHS	$2,583.60	$406.80	$2,990.40	$ 139.80	$ 39.20	$ 179.00

P - Preliminary. Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1988	$2,315.75	$ 392.15	$2,707.90	$1,805.55	$1,400.10	$ 174.45	$1,574.55
1989							
JAN	$ 145.40	$ 21.60	$ 167.00	$1,869.70	$ 89.50	$ 13.35	$ 102.85
FEB	$ 191.30	$ 23.65	$ 214.95	$1,933.40	$ 133.90	$ 17.35	$ 151.25
MAR	$ 200.20	$ 20.40	$ 220.60	$1,926.55	$ 207.25	$ 20.20	$ 227.45
APR	$ 138.50	$ 14.30	$ 152.80	$1,895.30	$ 168.35	$ 15.70	$ 184.05
MAY	$ 138.10	$ 9.80	$ 147.90	$1,884.80	$ 145.40	$ 13.00	$ 158.40
JUN	$ 123.05	$ 35.80	$ 158.85	$1,807.95	$ 199.95	$ 35.75	$ 235.70
JUL	$ 112.00	$ 21.20	$ 133.20	$1,765.55	$ 155.45	$ 20.15	$ 175.60
AUG	$ 120.70	$ 35.55	$ 156.25	$1,751.90	$ 147.20	$ 22.70	$ 169.90
SEP	$ 174.50	$ 17.95	$ 192.45	$1,715.85	$ 188.75	$ 39.75	$ 228.50
OCT	$ 135.70	$ 9.20	$ 144.90	$1,677.20	$ 161.95	$ 21.60	$ 183.55
NOV	$ 108.15	$ 20.75	$ 128.90	$1,577.50	$ 201.10	$ 27.50	$ 228.60
DEC (P)	$ 135.45	$ 23.35	$ 158.80	$1,423.05	$ 260.80	$ 52.45	$ 313.25
12 MONTHS	$1,723.05	$ 253.55	$1,976.60		$2,059.60	$ 299.50	$2,359.10

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1988	$2,392.00	$ 403.30	$2,795.30	$ 76.25	$ 11.15	$ 87.40
1989						
JAN	$ 151.20	$ 22.55	$ 173.75	$ 5.80	$ .95	$ 6.75
FEB	$ 201.25	$ 24.05	$ 225.30	$ 9.95	$ .40	$ 10.35
MAR	$ 210.25	$ 21.35	$ 231.60	$ 10.05	$ .95	$ 11.00
APR	$ 144.05	$ 15.30	$ 159.35	$ 5.55	$ 1.00	$ 6.55
MAY	$ 149.30	$ 14.65	$ 163.95	$ 11.20	$ 4.85	$ 16.05
JUN	$ 142.05	$ 37.65	$ 179.70	$ 19.00	$ 1.85	$ 20.85
JUL	$ 131.25	$ 22.60	$ 153.85	$ 19.25	$ 1.40	$ 20.65
AUG	$ 124.60	$ 36.75	$ 161.35	$ 3.90	$ 1.20	$ 5.10
SEP	$ 184.40	$ 20.95	$ 205.35	$ 9.90	$ 3.00	$ 12.90
OCT	$ 144.00	$ 10.60	$ 154.60	$ 8.30	$ 1.40	$ 9.70
NOV	$ 114.35	$ 26.80	$ 141.15	$ 6.20	$ 6.05	$ 12.25
DEC (P)	$ 141.35	$ 28.45	$ 169.80	$ 5.90	$ 5.10	$ 11.00
12 MONTHS	$1,838.05	$ 281.70	$2,119.75	$ 115.00	$ 28.15	$ 143.15

P - Preliminary. Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1988	$ 749.35	$ 133.60	$ 882.95	$385.70	$ 702.20	$ 122.35	$ 824.55
1989							
JAN	$ 56.60	$ 7.25	$ 63.85	$400.20	$ 42.20	$ 7.15	$ 49.35
FEB	$ 57.05	$ 9.95	$ 67.00	$389.65	$ 66.40	$ 11.15	$ 77.55
MAR	$ 58.20	$ 11.70	$ 69.90	$380.35	$ 67.00	$ 12.20	$ 79.20
APR	$ 76.40	$ 13.35	$ 89.75	$404.60	$ 58.80	$ 6.70	$ 65.50
MAY	$ 49.85	$ 7.50	$ 57.35	$379.60	$ 74.10	$ 8.25	$ 82.35
JUN	$ 72.85	$ 9.00	$ 81.85	$369.60	$ 70.10	$ 21.75	$ 91.85
JUL	$ 43.35	$ 14.20	$ 57.55	$365.05	$ 50.55	$ 11.55	$ 62.10
AUG	$ 70.45	$ .40	$ 70.85	$380.00	$ 49.75	$ 6.15	$ 55.90
SEP	$ 105.00	$ 5.15	$ 110.15	$436.65	$ 44.45	$ 9.05	$ 53.50
OCT	$ 47.05	$ 13.05	$ 60.10	$428.75	$ 58.80	$ 9.20	$ 68.00
NOV	$ 40.05	$ 15.45	$ 55.50	$399.15	$ 64.15	$ 20.95	$ 85.10
DEC (P)	$ 43.90	$ 7.05	$ 50.95	$378.90	$ 60.10	$ 11.10	$ 71.20
12 MONTHS	$ 720.75	$ 114.05	$ 834.80		$ 706.40	$ 135.20	$ 841.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1988	$ 788.25	$ 138.45	$ 926.70	$ 38.90	$ 4.85	$ 43.75
1989						
JAN	$ 60.50	$ 7.50	$ 68.00	$ 3.90	$ .25	$ 4.15
FEB	$ 58.65	$ 10.35	$ 69.00	$ 1.60	$ .40	$ 2.00
MAR	$ 62.90	$ 11.85	$ 74.75	$ 4.70	$ .15	$ 4.85
APR	$ 77.95	$ 13.40	$ 91.35	$ 1.55	$ .05	$ 1.60
MAY	$ 50.20	$ 7.55	$ 57.75	$ .35	$ .05	$ .40
JUN	$ 74.85	$ 9.25	$ 84.10	$ 2.00	$ .25	$ 2.25
JUL	$ 44.00	$ 14.25	$ 58.25	$ .65	$ .05	$ .70
AUG	$ 74.20	$ 7.20	$ 81.40	$ 3.75	$ 6.80	$ 10.55
SEP	$ 105.70	$ 6.30	$ 112.00	$ .70	$ 1.15	$ 1.85
OCT	$ 48.10	$ 14.55	$ 62.65	$ 1.05	$ 1.50	$ 2.55
NOV	$ 42.60	$ 15.60	$ 58.20	$ 2.55	$ .15	$ 2.70
DEC (P)	$ 45.90	$ 7.30	$ 53.20	$ 2.00	$ .25	$ 2.25
12 MONTHS	$ 745.55	$ 125.10	$ 870.65	$ 24.80	$ 11.05	$ 35.85

P - Preliminary. Source: NMTBA - The Association For Manufacturing Technology

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

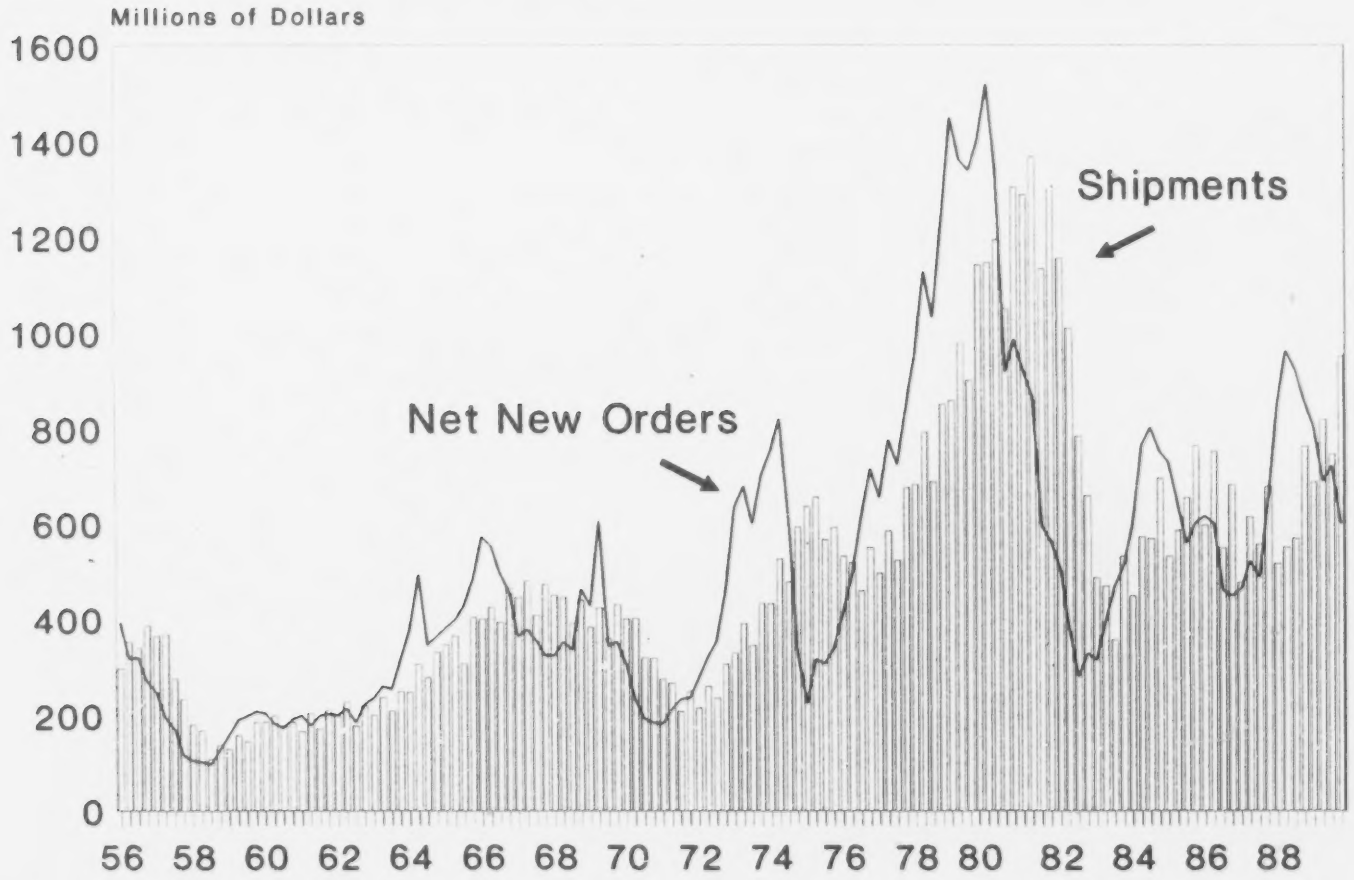
(Dollar Figures in Thousands)
1983 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1983-1	$ 487,450	$ 56,650	$ 314,850	$ 370,600	$ 40,800	$ 224,100	$ 116,850	$ 15,850	$ 90,750
2	469,650	58,300	399,100	357,500	49,300	269,300	112,150	9,000	129,800
3	357,050	42,900	468,150	252,350	32,200	322,200	104,700	10,700	145,950
4	530,900	57,150	514,050	391,050	49,600	336,050	139,850	7,550	178,000
Total	$1,845,050	$215,000	$1,696,150	$1,371,500	$171,900	$1,151,650	$ 473,550	$ 43,100	$ 544,500
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 882,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550
4P	949,700	142,800	599,150	725,400	101,550	432,600	224,300	41,250	166,550
Total	$3,200,700	$434,700	$2,811,400	$2,359,100	$299,500	$1,976,600	$ 841,600	$ 135,200	$ 834,800

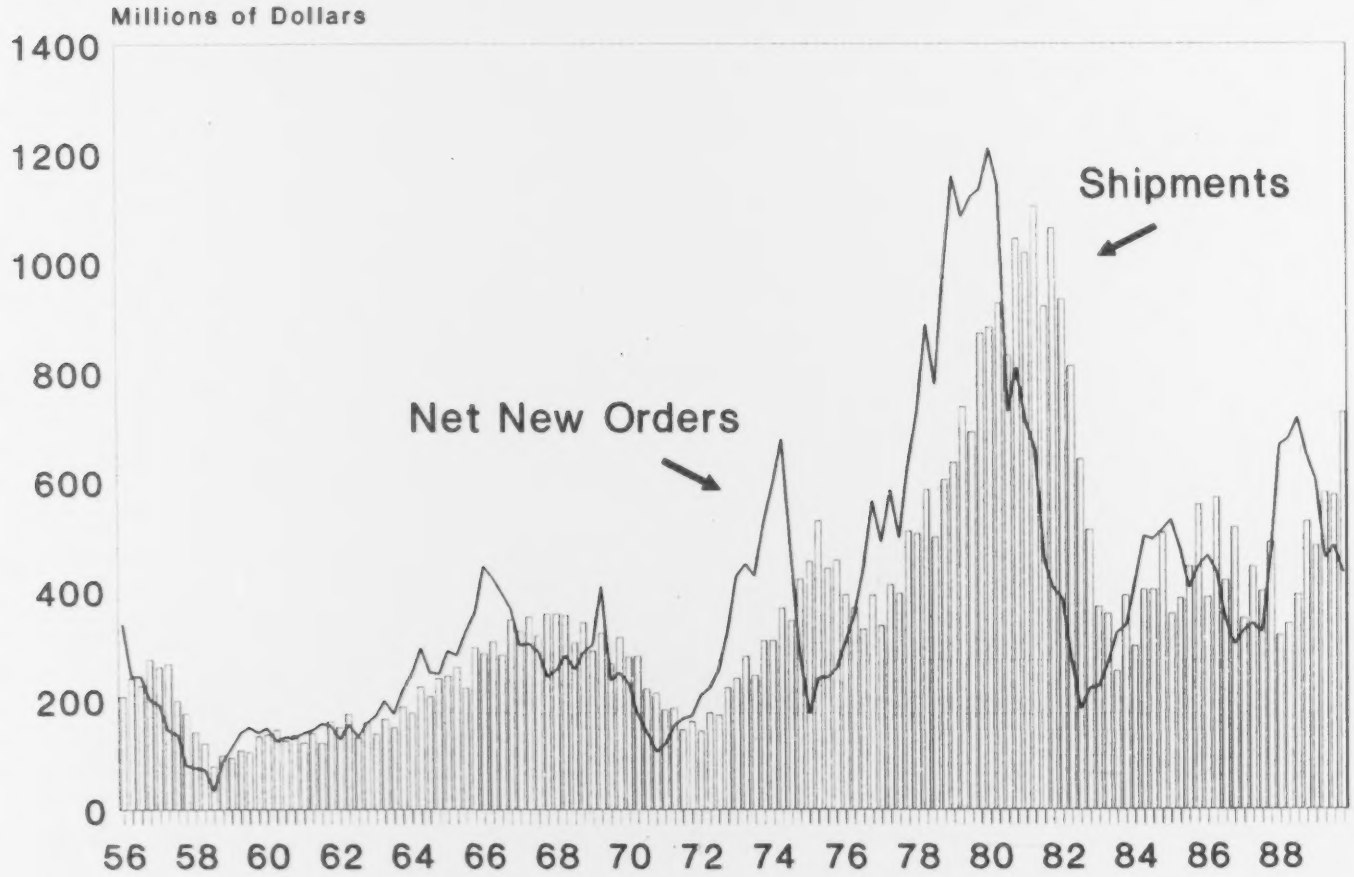
P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

January 29, 1990

Total Machine Tools
Shipments and Net New Orders, Quarterly



Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly

NEWS

NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: February 26, 1990
Contact: Charles Pollock, Vice President, Communications, 703–827–5206
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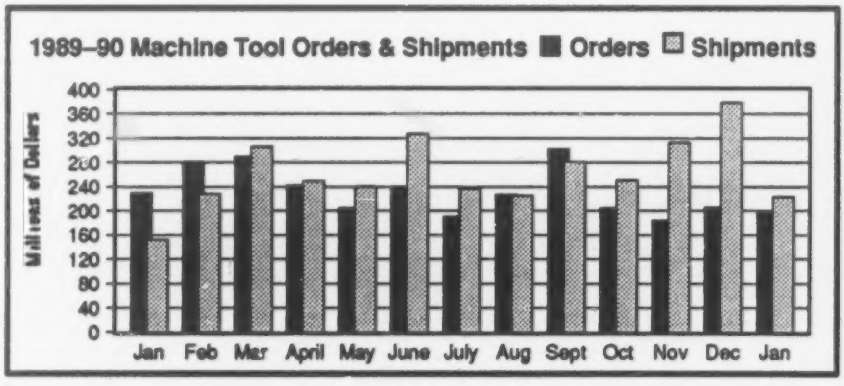
Machine tool orders down slightly in January

January machine tool orders stood at $197.60 million, down 4.2% from December's $206.30 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Shipments, reflecting the usual year end surge, dropped 40.9% in January, going from $379.35 million to $224.10 million. Comparing January 1990 to January 1989, orders were down 14.4%, and shipments were up 47.2%.



The machine tool order backlog for January 1990 was $1,777.10 million, down from December's $1,803.60 million. The January 1989 backlog was $2,269.90 million.

"Machine tool activity in January was in line with that of recent months," according to Albert W. Moore, NMTBA President. "We are pleased to see some positive numbers on the export side — but, with Europe and Japan retooling and East Europe gearing up, U.S. manufacturers must move even more aggressively in these very competitive markets."

"At the same time," he continued, "while many economists are predicting a slowdown in the U.S. economy, there are several trends independent of the business cycle pointing to potential

(more)

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demand for machine tools: high backlogs in the aerospace sector, the need to replace farm machinery, and the increasingly urgent need to rebuild much of our nation's aging infrastructure."

January metal cutting machine tool orders were down 11.1% to $140.90 million, while metal forming orders rose 18.7% to $56.70 million. Compared to January a year ago, metal cutting orders were off 15.6% and metal forming orders were off 11.2%.

At $162.25 million, January shipments of metal cutting equipment were down 48.1% for the month. Metal forming shipments stood at $61.85 million, down 7.1%. Compared to the same month in 1989, January 1990 metal cutting shipments were up 57.8% and metal forming shipments were up 25.3%.

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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1990	117.70	23.20	140.90	38.05	18.65	56.70	155.75	41.85	197.60
DEC 1989	135.20	23.35	158.55	42.20	5.55	47.75	177.40	28.90	206.30
% CHANGE JAN 1990:DEC 1989	-12.9	-0.6	-11.1	-9.8	+236.0	+18.7	-12.2	+44.8	-4.2
JAN 1989	145.40	21.60	167.00	56.60	7.25	63.85	202.00	28.85	230.85
% CHANGE JAN 1990:JAN 1989	-19.1	+7.4	-15.6	-32.8	+157.2	-11.2	-22.9	+45.1	-14.4
YEAR TO DATE 1990									
YEAR TO DATE 1989		N/A			N/A			N/A	
% CHANGE 1990 : 1989									

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1990	143.45	18.80	162.25	53.35	8.50	61.85	196.80	27.30	224.10
DEC 1989	260.40	52.35	312.75	57.85	8.75	66.60	318.25	61.10	379.35
% CHANGE JAN 1990:DEC 1989	-44.9	-64.1	-48.1	-7.8	-2.9	-7.1	-38.2	-55.3	-40.9
JAN 1989	89.50	13.35	102.85	42.20	7.15	49.35	131.70	20.50	152.20
% CHANGE JAN 1990:JAN 1989	+60.3	+40.8	+57.8	+26.4	+18.9	+25.3	+49.4	+33.2	+47.2
YEAR TO DATE 1990									
YEAR TO DATE 1989		N/A			N/A			N/A	
% CHANGE 1990 : 1989									

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN (P)	$ 155.75	$ 41.85	$ 197.60	$1,777.10	$ 196.80	$ 27.30	$ 224.10

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN (P)	$ 158.90	$ 43.70	$ 202.60	$ 3.15	$ 1.85	$ 5.00

Source: NMTBA - The Association For Manufacturing Technology

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INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990 JAN (P)	$ 117.70	$ 23.20	$ 140.90	$1,401.95	$ 143.45	$ 18.80	$ 162.25

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990 JAN (P)	$ 120.35	$ 24.80	$ 145.15	$ 2.65	$ 1.60	$ 4.25

Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$ 380.30	$ 704.15	$ 132.85	$ 837.00
1990 JAN (P)	$ 38.05	$ 18.65	$ 56.70	$ 375.15	$ 53.35	$ 8.50	$ 61.85

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990 JAN (P)	$ 38.55	$ 18.90	$ 57.45	$ .50	$ .25	$ .75

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1988	$3,065.10	$ 525.75	$3,590.85	$2,191.25	$2,102.30	$ 296.80	$2,399.10
1989							
JAN	$ 202.00	$ 28.85	$ 230.85	$2,269.90	$ 131.70	$ 20.50	$ 152.20
FEB	$ 248.35	$ 33.60	$ 281.95	$2,323.05	$ 200.30	$ 28.50	$ 228.80
MAR	$ 258.40	$ 32.10	$ 290.50	$2,306.90	$ 274.25	$ 32.40	$ 306.65
APR	$ 214.90	$ 27.65	$ 242.55	$2,299.90	$ 227.15	$ 22.40	$ 249.55
MAY	$ 187.95	$ 17.30	$ 205.25	$2,264.40	$ 219.50	$ 21.25	$ 240.75
JUN	$ 195.90	$ 44.80	$ 240.70	$2,177.55	$ 270.05	$ 57.50	$ 327.55
JUL	$ 155.35	$ 35.40	$ 190.75	$2,130.60	$ 206.00	$ 31.70	$ 237.70
AUG	$ 191.15	$ 35.95	$ 227.10	$2,131.90	$ 196.95	$ 28.85	$ 225.80
SEP	$ 279.50	$ 23.10	$ 302.60	$2,152.50	$ 233.20	$ 48.80	$ 282.00
OCT	$ 182.75	$ 22.25	$ 205.00	$2,105.95	$ 220.75	$ 30.80	$ 251.55
NOV	$ 148.20	$ 36.20	$ 184.40	$1,976.65	$ 265.25	$ 48.45	$ 313.70
DEC	$ 177.40	$ 28.90	$ 206.30	$1,803.60	$ 318.25	$ 61.10	$ 379.35
12 MONTHS	$2,441.85	$ 366.10	$2,807.95		$2,763.35	$ 432.25	$3,195.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1988	$3,180.25	$ 541.75	$3,722.00	$ 115.15	$ 16.00	$ 131.15
1989						
JAN	$ 211.70	$ 30.05	$ 241.75	$ 9.70	$ 1.20	$ 10.90
FEB	$ 259.90	$ 34.40	$ 294.30	$ 11.55	$ .80	$ 12.35
MAR	$ 273.15	$ 33.20	$ 306.35	$ 14.75	$ 1.10	$ 15.85
APR	$ 222.00	$ 28.70	$ 250.70	$ 7.10	$ 1.05	$ 8.15
MAY	$ 199.50	$ 22.20	$ 221.70	$ 11.55	$ 4.90	$ 16.45
JUN	$ 216.90	$ 46.90	$ 263.80	$ 21.00	$ 2.10	$ 23.10
JUL	$ 175.25	$ 36.85	$ 212.10	$ 19.90	$ 1.45	$ 21.35
AUG	$ 198.80	$ 43.95	$ 242.75	$ 7.65	$ 8.00	$ 15.65
SEP	$ 290.10	$ 27.25	$ 317.35	$ 10.60	$ 4.15	$ 14.75
OCT	$ 192.10	$ 25.15	$ 217.25	$ 9.35	$ 2.90	$ 12.25
NOV	$ 156.95	$ 42.40	$ 199.35	$ 8.75	$ 6.20	$ 14.95
DEC	$ 185.15	$ 34.15	$ 219.30	$ 7.75	$ 5.25	$ 13.00
12 MONTHS	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75

Source: NMTBA - The Association For Manufacturing Technology

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INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1988	$2,315.75	$ 392.15	$2,707.90	$1,805.55	$1,400.10	$ 174.45	$1,574.55
1989							
JAN	$ 145.40	$ 21.60	$ 167.00	$1,869.70	$ 89.50	$ 13.35	$ 102.85
FEB	$ 191.30	$ 23.65	$ 214.95	$1,933.40	$ 133.90	$ 17.35	$ 151.25
MAR	$ 200.20	$ 20.40	$ 220.60	$1,926.55	$ 207.25	$ 20.20	$ 227.45
APR	$ 138.50	$ 14.30	$ 152.80	$1,895.30	$ 168.35	$ 15.70	$ 184.05
MAY	$ 138.10	$ 9.80	$ 147.90	$1,884.80	$ 145.40	$ 13.00	$ 158.40
JUN	$ 123.05	$ 35.80	$ 158.85	$1,807.95	$ 199.95	$ 35.75	$ 235.70
JUL	$ 112.00	$ 21.20	$ 133.20	$1,765.55	$ 155.45	$ 20.15	$ 175.60
AUG	$ 120.70	$ 35.55	$ 156.25	$1,751.90	$ 147.20	$ 22.70	$ 169.90
SEP	$ 174.50	$ 17.95	$ 192.45	$1,715.85	$ 188.75	$ 39.75	$ 228.50
OCT	$ 135.70	$ 9.20	$ 144.90	$1,677.20	$ 161.95	$ 21.60	$ 183.55
NOV	$ 108.15	$ 20.75	$ 128.90	$1,577.50	$ 201.10	$ 27.50	$ 228.60
DEC	$ 135.20	$ 23.35	$ 158.55	$1,423.30	$ 260.40	$ 52.35	$ 312.75
12 MONTHS	$1,722.80	$ 253.55	$1,976.35		$2,059.20	$299.40	$2,358.60

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1988	$2,392.00	$ 403.30	$2,795.30	$ 76.25	$ 11.15	$ 87.40
1989						
JAN	$ 151.20	$ 22.55	$ 173.75	$ 5.80	$ .95	$ 6.75
FEB	$ 201.25	$ 24.05	$ 225.30	$ 9.95	$ .40	$ 10.35
MAR	$ 210.25	$ 21.35	$ 231.60	$ 10.05	$ .95	$ 11.00
APR	$ 144.05	$ 15.30	$ 159.35	$ 5.55	$ 1.00	$ 6.55
MAY	$ 149.30	$ 14.65	$ 163.95	$ 11.20	$ 4.85	$ 16.05
JUN	$ 142.05	$ 37.65	$ 179.70	$ 19.00	$ 1.85	$ 20.85
JUL	$ 131.25	$ 22.60	$ 153.85	$ 19.25	$ 1.40	$ 20.65
AUG	$ 124.60	$ 36.75	$ 161.35	$ 3.90	$ 1.20	$ 5.10
SEP	$ 184.40	$ 20.95	$ 205.35	$ 9.90	$ 3.00	$ 12.90
OCT	$ 144.00	$ 10.60	$ 154.60	$ 8.30	$ 1.40	$ 9.70
NOV	$ 114.35	$ 26.80	$ 141.15	$ 6.20	$ 6.05	$ 12.25
DEC	$ 141.10	$ 28.40	$ 169.50	$ 5.90	$ 5.05	$ 10.95
12 MONTHS	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10

Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1988	$ 749.35	$ 133.60	$ 882.95	$ 385.70	$ 702.20	$ 122.35	$ 824.55
1989							
JAN	$ 56.60	$ 7.25	$ 63.85	$ 400.20	$ 42.20	$ 7.15	$ 49.35
FEB	$ 57.05	$ 9.95	$ 67.00	$ 389.65	$ 66.40	$ 11.15	$ 77.55
MAR	$ 58.20	$ 11.70	$ 69.90	$ 380.35	$ 67.00	$ 12.20	$ 79.20
APR	$ 76.40	$ 13.35	$ 89.75	$ 404.60	$ 58.80	$ 6.70	$ 65.50
MAY	$ 49.85	$ 7.50	$ 57.35	$ 379.60	$ 74.10	$ 8.25	$ 82.35
JUN	$ 72.85	$ 9.00	$ 81.85	$ 369.60	$ 70.10	$ 21.75	$ 91.85
JUL	$ 43.35	$ 14.20	$ 57.55	$ 365.05	$ 50.55	$ 11.55	$ 62.10
AUG	$ 70.45	$ .40	$ 70.85	$ 380.00	$ 49.75	$ 6.15	$ 55.90
SEP	$ 105.00	$ 5.15	$ 110.15	$ 436.65	$ 44.45	$ 9.05	$ 53.50
OCT	$ 47.05	$ 13.05	$ 60.10	$ 428.75	$ 58.80	$ 9.20	$ 68.00
NOV	$ 40.05	$ 15.45	$ 55.50	$ 399.15	$ 64.15	$ 20.95	$ 85.10
DEC	$ 42.20	$ 5.55	$ 47.75	$ 380.30	$ 57.85	$ 8.75	$ 66.60
12 MONTHS	$ 719.05	$ 112.55	$ 831.60		$ 704.15	$ 132.85	$ 837.00

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1988	$ 788.25	$ 138.45	$ 926.70	$ 38.90	$ 4.85	$ 43.75
1989						
JAN	$ 60.50	$ 7.50	$ 68.00	$ 3.90	$ .25	$ 4.15
FEB	$ 58.65	$ 10.35	$ 69.00	$ 1.60	$ .40	$ 2.00
MAR	$ 62.90	$ 11.85	$ 74.75	$ 4.70	$ .15	$ 4.85
APR	$ 77.95	$ 13.40	$ 91.35	$ 1.55	$ .05	$ 1.60
MAY	$ 50.20	$ 7.55	$ 57.75	$ .35	$ .05	$ .40
JUN	$ 74.85	$ 9.25	$ 84.10	$ 2.00	$ .25	$ 2.25
JUL	$ 44.00	$ 14.25	$ 58.25	$ .65	$ .05	$ .70
AUG	$ 74.20	$ 7.20	$ 81.40	$ 3.75	$ 6.80	$ 10.55
SEP	$ 105.70	$ 6.30	$ 112.00	$ .70	$ 1.15	$ 1.85
OCT	$ 48.10	$ 14.55	$ 62.65	$ 1.05	$ 1.50	$ 2.55
NOV	$ 42.60	$ 15.60	$ 58.20	$ 2.55	$ .15	$ 2.70
DEC	$ 44.05	$ 5.75	$ 49.80	$ 1.85	$ .20	$ 2.05
12 MONTHS	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65

Source: NMTBA - The Association For Manufacturing Technology